

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,027,381 B1  
APPLICATION NO. : 09/707217  
DATED : April 11, 2006  
INVENTOR(S) : Kimio Nagasaka et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Col. 8, line 2: "M=SIZE" should be -- m=SIZE--

Col. 8, line 18: " $\Theta_o-jx\Delta$ " should be --  $\Theta_o+jx\Delta\Theta$  --

Col. 9, line 12: " $r_o+ixr$ " should read --  $r_o+i\Delta r$  --

Col. 10, line 24: "redirection" should be -- r-direction --

Col. 10, line 25: "AO" should be --  $\Delta\Theta$  --

Col. 15, line 14: "does" should be -- dose --

Col. 15, line 51: "does" should be -- dose --

Col. 15, line 55: "does" should be -- dose --

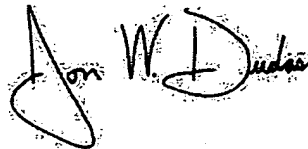
Col. 15, line 66: "does" should be -- dose --

Col. 16, line 16: "drawing" should be -- draw --

Col. 17, line 2: "dimension" should be -- dimensional --

Signed and Sealed this

Sixth Day of March, 2007



JON W. DUDAS  
*Director of the United States Patent and Trademark Office*